

## First record of the genus *Piaroa* Villarreal, Giupponi & Tourinho, 2008 (Schizomida: Hubbardiidae) from Panama

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**Abstract:** The genus *Piaroa* Villarreal, Giupponi & Tourinho, 2008 is recorded for the first time from Panama, on the basis of one male specimen found in Bocas del Toro, and identified as the Costa Rican species *P. youngi* Armas & Viquez, 2010. Now, the poorly studied schizomid fauna of this Central American country has four genera: *Piaroa*, *Hansenochrus* Reddell & Cokendolpher 1995, *Surazomus* Reddell & Cokendolpher 1995 and *Stenochrus* Chamberlin 1922.

**Key words:** Schizomida, Hubbardiidae, Hubbardiinae, schizomids, taxonomy, Central America, Panama.

### Primer registro del género *Piaroa* Villarreal, Giupponi & Tourinho, 2008 (Schizomida: Hubbardiidae) para Panamá

**Resumen:** Se registra por primera vez para Panamá la presencia del género *Piaroa* Villarreal, Giupponi & Tourinho, 2008, sobre la base de un macho adulto recolectado en Bocas del Toro e identificado como la especie costarricense *P. youngi* Armas & Viquez, 2010. Con este hallazgo se elevan a cuatro (*Piaroa*, *Hansenochrus* Reddell & Cokendolpher 1995, *Surazomus* Reddell & Cokendolpher 1995 y *Stenochrus* Chamberlin 1922) los géneros de esquizómidos conocidos de este poco estudiado país centroamericano.

**Palabras clave:** Schizomida, Hubbardiidae, Hubbardiinae, esquizómidos, taxonomía, América Central, Panamá

At the present, the genus *Piaroa* Villarreal, Giupponi & Tourinho, 2008 is only known from Costa Rica, Colombia, and Venezuela (Villarreal *et al.*, 2008; Armas & Viquez, 2009, 2010; Armas, 2010; Armas & Delgado-Santa, 2012). Recently, during a field expedition to explore dung beetles in Bocas del Toro mountains, near the Costa Rican border, the first author (C.V.) sorted a male specimen of *Piaroa youngi* Armas & Viquez, 2010, from the Pitfall collected material, a species formerly known from Hone Creek and Hitoy Cerere, Limon province, Costa Rica. The Panamanian specimen mostly agrees in general morphology and measurements with males of the type series of *P. youngi*, except by having four pairs of dorsal setae on the propeltidium. This represents the first record of this genus from Panama, and now the number of hubbardiids genera known from this Central American country is raised to four: *Piaroa*, *Hansenochrus* Reddell & Cokendolpher 1995, *Surazomus* Reddell & Cokendolpher 1995, and *Stenochrus* Chamberlin, 1922 (Armas *et al.*, 2010).

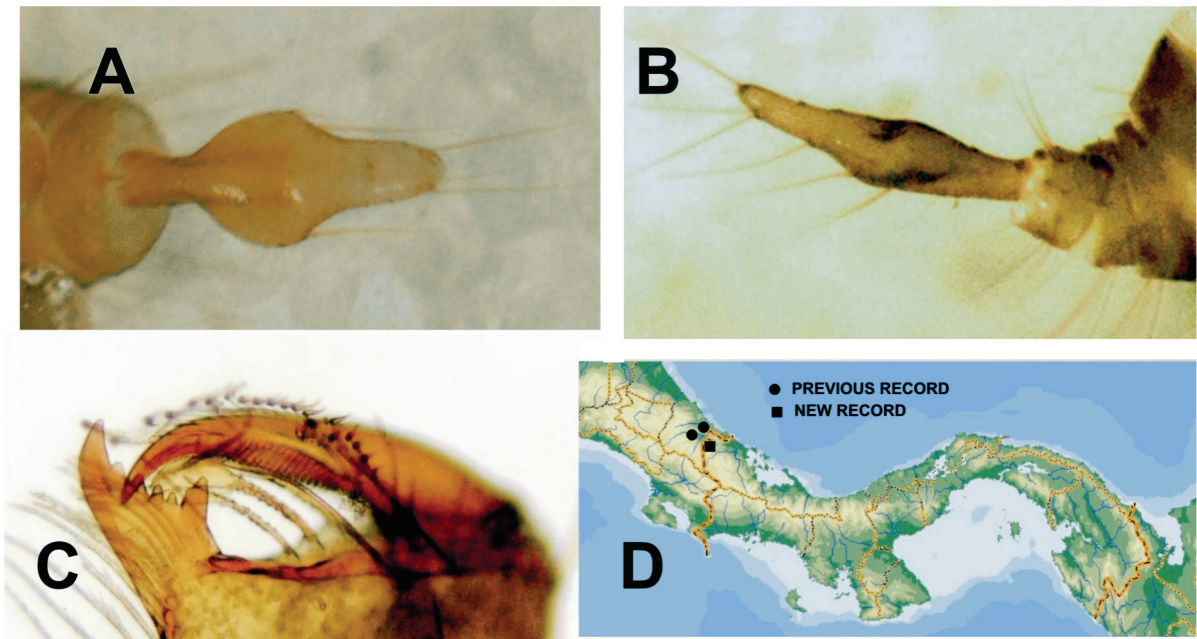
The Panamanian specimen was collected with a trap baited with pig manure at an altitude of 800 m inside a primary tropical rain forest, during the month of October

We are very indebted to Angel Solís and Marcos Moraga (INBio, Costa Rica) for the collecting work and for give us the specimens for review. To the United Kingdom's Darwin's Initiative for financing the project *Basic Tools for the Management of the La Amistad International Park, Costa Rica-Panama* that enabled the collection of the specimen. We are grateful to the directorate of Protected Areas and Wildlife of the National Authority of the Environment (ANAM), Panama, for the scientific permit number SC/AP-3-08, which allowed for the collection of Panamanian specimens used in this study.

**EXAMINED MATERIAL.** One male, PANAMA, Bocas del Toro. Mountain ridge 1.5 km east of Tskui river, 800 m a.s.l., 9.4453° N - 82.8471° W. Col: A. Solís and M. Moraga. Pitfall trap, Darwin Project. The specimen was deposited in the Zoological Collection Dr. Eustorgio Méndez, Instituto Conmemorativo Gorgas de Estudios de la Salud (COZEM-ICGES), Panamá.

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**Fig. 1.** *Piaroa youngi* (male from Bocas del Toro Panama). **A-B:** flagellum, dorsal (**A**) and lateral (**B**). **C.** chelicerae. **D.** Geographical distribution.